IN THE SPECIFICATION

Please delete the paragraph at p. 9, lines 4-24, and substitute therefor the following replacement paragraph.

Main memory 120 in accordance with the preferred embodiments contains data 121, an operating system 122, a database 123, a database manager 124, one or more database queries 125, a database query optimizer 126, and a cardinality estimator 127. Data 121 represents any data that serves as input to or output from any program in computer system 100. Operating system 122 is a multitasking operating system known in the industry as OS/400; however, those skilled in the art will appreciate that the spirit and scope of the present invention is not limited to any one operating system. Database 123 is any suitable database, whether currently known or developed in the future. Database manager 124 provides an interface to database 123, processing queries and returning the query results. Database query 125 is a query in a format compatible with the database 123 that allows information stored in the database 123 that satisfies the database query 125 to be retrieved. Database query optimizer 126 processes database query 125 to optimize database query 125. The cardinality estimator 127 estimates cardinality of an intermediate dataset for the database query 125 The database query optimizer 126 may use the cardinality estimate from the cardinality estimator 127 to optimize an intermediate dataset for database query 125. While cardinality estimator 127 is shown in FIG. 1 to be separate from the other items in main memory 120, it is also within the scope of the preferred embodiments to include the cardinality estimator as part of the database manager 124, as part of the database query optimizer 126, or as part [[fo]] of any other computer program.